

Title (en)  
Ink for ink jet recording

Title (de)  
Tinte für Tintenstrahlaufzeichnung

Title (fr)  
Encre et encre d'impression à jet d'encre

Publication  
**EP 1528087 B1 20071121 (EN)**

Application  
**EP 04011510 A 20040514**

Priority  
JP 2003367806 A 20031028

Abstract (en)  
[origin: EP1528087A2] There is disclosed an ink for ink jet recording, comprising a photo-acid generating agent which is capable of generating an acid as it is irradiated with light, a colorant, and an acid-polymerizable solvent which can be polymerized in the presence of an acid. In this ink, the content of the photo-acid generating agent is not less than 5 parts by weight per 100 parts by weight of the acid-polymerizable solvent, and the acid-polymerizable solvent comprises an aliphatic epoxy compound represented by the following general formula (1) and an oxetane ring-containing compound:  $R1-CH_2-C(CH_3)_2-CH_2-R1$  (wherein R1 is glycidyl ether group).

IPC 8 full level  
**B41J 2/01** (2006.01); **C03C 17/00** (2006.01); **C09D 11/00** (2006.01); **C09D 11/10** (2006.01)

CPC (source: EP US)  
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DOCDB simple family (publication)  
**EP 1528087 A2 20050504; EP 1528087 A3 20050907; EP 1528087 B1 20071121**; CN 100439457 C 20081203; CN 1648182 A 20050803; DE 602004010219 D1 20080103; DE 602004010219 T2 20080306; US 2005090580 A1 20050428

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